REACH MRS Server

CM100

User Manual

V1.5

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Note:

This user manual is compiled to ensure easy installation and configuration of the product. Please read carefully this manual before using the product, so that you can make best use of all its functions.

This manual is subject to update from time to time without prior notice. If you come across any problem that cannot be solved according to the manual, please contact our company for solutions. Thank you.

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1 Overview

Reach Multimedia Recording & Streaming System—is a new generation of multimedia recording and streaming system developed by Shenzhen Reach IT Co., Ltd. It is an IP-based system which can do the recording, live streaming and playing on demand of the video, audio and computer screen content through network simultaneously. The user can receive the media via IP network. Contrasting to the traditional system, the screen content is added to the media on the basis of video and audio.

1.1 Features and specialization

1.1.1 Physical overview

Structure: 1u chassis for rack mounted installation

Cool system: Fan cool

LED indicator: Power, HDD, LAN

Dimension: 430mm x 373mm x 45mm (L*D*H)

Weight: 7kg

1.1.2 Environment

Storage temperature: -20~60^{0}C

Humidity: 5~95%

Operation temperature: 0~45^{0}C

Power supply

Operation voltage: AC100~240V 47~63Hz

Power consumption: 100W

1.1.3 Network interfaces

LAN: For internal connection

WAN: Both for internal and external connection

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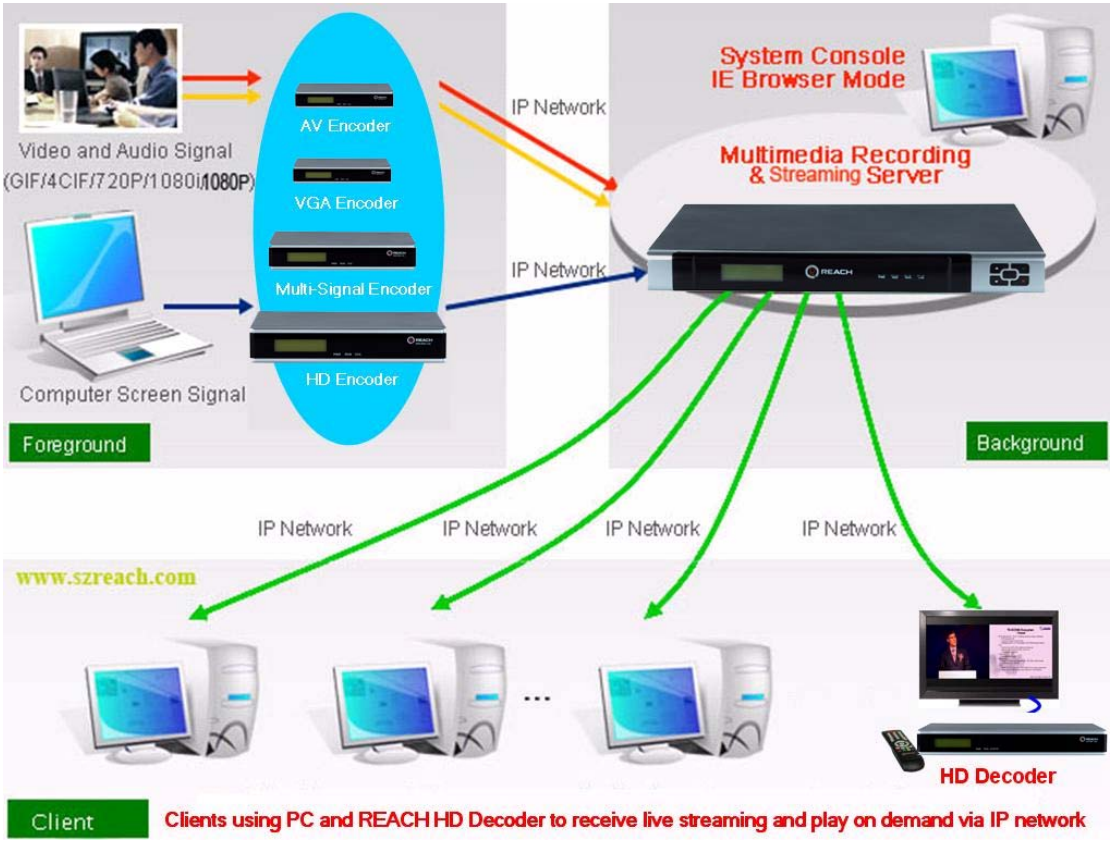
1.2 Application Diagram



2 Hardware Installation

2.1 Panel and Port

Front Panel of Server

2.1.1 LED indicator of Server

Name	Description
Power	Power indicator
HDD	Hardware indicator, the light is on as the system is working
LAN	LAN connection indicator, LAN LED blink if the data is transmitted
WAN	WAND indicator, WAN LED blink if the data is transmitted

2.1.2 Rear Panel

There are 3 interfaces at the rear panel: power plug, LAN interface and WAN interface. Insert the power cable into the Power connector on the rear panel of the server unit and insert the Power cable into the power source socket. Connect LAN cable to LAN port on the rear panel of the server unit.

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2.2 AV Encoder (DSS-ENC-110)

Dimension: Length x Depth x High=240mm x 169mm x 45mm

The above figure shows all ports and connection methods of the coder. Ports are selectively to be connected based on requirements while installation (but Power, LAN, VIDEO IN, AUDIO IN must be connected).

2.3 VGA Encoder (DSS-ENC-120)

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Dimension: Length x Depth x High=240mm x 169mm x 45mm

NOTICE: Because deferent models have deferent accessories. Please make sure it's the model you have.

The above figure shows all ports and connection methods of the coder. Ports are selectively to be connected based on requirements while installation (but Power, LAN, VIDEO IN, VGA IN must be connected).

2.4 HD Encoder(DSS-ENC-1200)

Dimension: Length x Depth x High=350mm x 219mm x 44.5mm

NOTICE: HD Encoder is an optional accessory. Please make sure whether your system includes this devices before unpacking.

Ports at the rear panel of HD Encoder include Power input, LAN interface, DVI-I input interface for HD video or VGA signal, HD-SDI input interface, 15 pins D-SUB VGA output interface, MIC input interface and tow-channel stereo for audio, two-channel stereo output and RS232 interface.

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2.5 Environment for software and hardware installation

√ Make sure that the server is on a stable flat surface

√ Make sure the IP network connection is available. 100Mbps network or above is recommended

√ Please install the Server according to the physical and electrical environment equipment mentioned.

√ Recommended configuration of the PC for the installation of RecPlayer:

CPU: Dual Core Processor 2.2Ghz or above

DISPLAY:1024*768 resolution or above

Video card: 512M Independent graphics or above

Memory: 1G or above

HDD: 1GB or above

OS: Win2000/XP/Win 7

3 System Configuration

3.1 Searching for the IP address of server and encoders

Please do as the following steps to get the initial IP address of server and encoder:

Find DSSIpViewer.exe at the CD shipped with the server and double click the file to run the tool.

Choose the device you want to search for and then click search button

Find the devices and their IP address at the devices list table.

Notice:

The PC that runs DSSIpViewer must be at the same physical network

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with server and encoder. If there is router between the PC and server or encoder, or they are at deferent VLAN, server and encoder can not be detected. You can also get IP address via LCD display at the front panel of the equipments.

3.2 IP configuration of server

After you got IP address of DSS-R server via DSSIpViewer, you can change IP address of the server through IE browser.

Connect your PC to LAN or WAN interface of the server with a LAN cable.

Configure your PC's IP address to the same segment with DSS-R server

Enter the IP address of server at the address field of IE browser and press "Enter".

Use the user name of "admin" and password of "admin" to log in the system

Go to ***Senior Management→System Set→IP Address Modification*** to set the IP address, sub mask and gateway of the server. Click save button and then the server will reset automatically.

3.3 Initial configuration of DSS-ENC 110

The default IP address of ENC 110 from factory is random and you can see the IP address on the LCD of font panel (assume IP is 192.168.3.93 sub mask 255.255.255.0 and gateway 192.168.3.1. Set your PC's IP address to 192.168.3.110, sub mask 255.255.255.0). You can go to the webpage of the encoder to set the IP address you need. For explanation convenient, assume the IP you want to set as 192.168.1.101, sub mask 255.255.255.0 and gateway 192.168.1.1.

Check connection. Go to your PC ***Start ->Run->cmd***, input ***Ping 192.168.3.92***. If you get the replays, means the connection is ok. If not, please check the cable connection and PC's IP.

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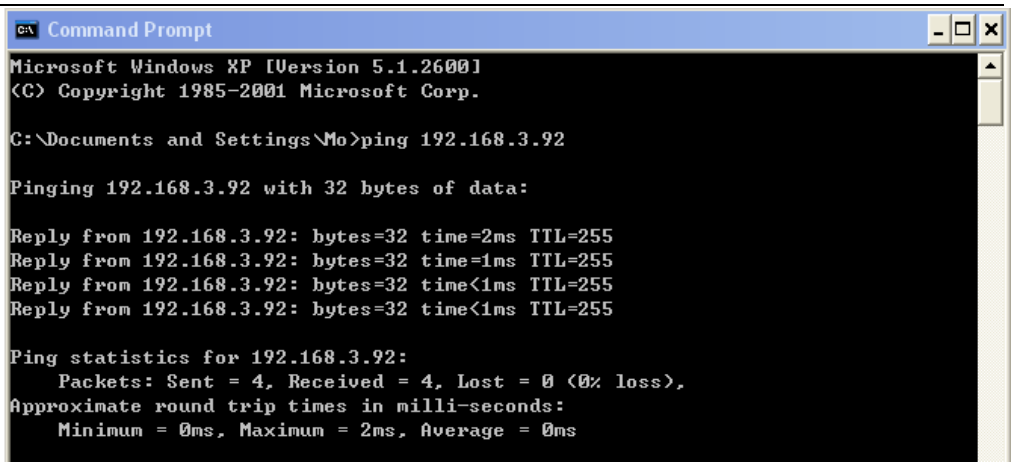

Command Prompt
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.
C:\Documents and Settings\Mo>ping 192.168.3.92
Pinging 192.168.3.92 with 32 bytes of data:
Reply from 192.168.3.92: bytes=32 time=2ms TTL=255
Reply from 192.168.3.92: bytes=32 time=1ms TTL=255
Reply from 192.168.3.92: bytes=32 time<1ms TTL=255
Reply from 192.168.3.92: bytes=32 time<1ms TTL=255
Ping statistics for 192.168.3.92:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 2ms, Average = 0ms

Run IE, type in 192.168.3.92 and press “Enter”, then you can see the log in interface;

Input User: admin and Password: admin, click “**Login**”.

Click *“System Settings”* → *“Network Settings”* type in IP: 192.168.1.101, sub mask:255.255.255.0, gateway 192.168.1.1, then click “OK”

Click *“Save”* in the navigation bar on life hand side. Click the button “**Save Settings**”

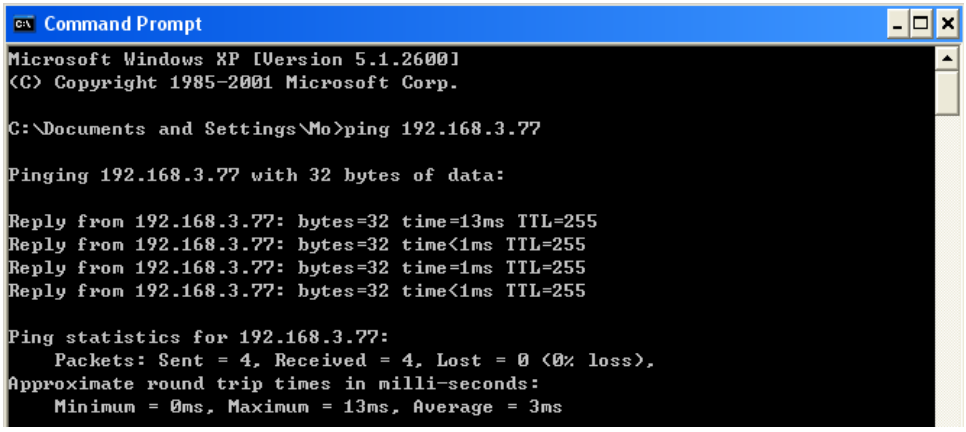
Click *“Restart”* → “**Restart Encoder**”

3.4 Initial configuration of DSS-ENC 120

The default IP address of ENC 120 from factory is random and you can see the IP address on the LCD of font panel (assume IP is 192.168.3.77 sub mask 255.255.255.0 and gateway 192.168.3.1. Set your PC’s IP

address to 192.168.3.110, sub mask 255.255.255.0). You can go to the webpage of the encoder to set the IP address you need. For explanation convenient, assume the IP you want to set as 192.168.1.102, sub mask 255.255.255.0 and gateway 192.168.1.1.

Check connection. Go to your PC ***Start ->Run->cmd***, input ***Ping 192.168.3.77***. If you get the replays, means the connection is ok. If not, please check the cable connection and PC's IP.


Command Prompt
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.
C:\Documents and Settings\Mo>ping 192.168.3.77
Pinging 192.168.3.77 with 32 bytes of data:
Reply from 192.168.3.77: bytes=32 time=13ms TTL=255
Reply from 192.168.3.77: bytes=32 time<1ms TTL=255
Reply from 192.168.3.77: bytes=32 time=1ms TTL=255
Reply from 192.168.3.77: bytes=32 time<1ms TTL=255
Ping statistics for 192.168.3.77:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 13ms, Average = 3ms

Run IE, type in 192.168.3.77 and press "Enter", then you can see the log in interface;

Input User: admin and Password: admin, click "**Login**".

Click *"System Settings"* → *"Network Settings"* type in IP: 192.168.1.102, sub mask:255.255.255.0, gateway 192.168.1.1, then click "OK"

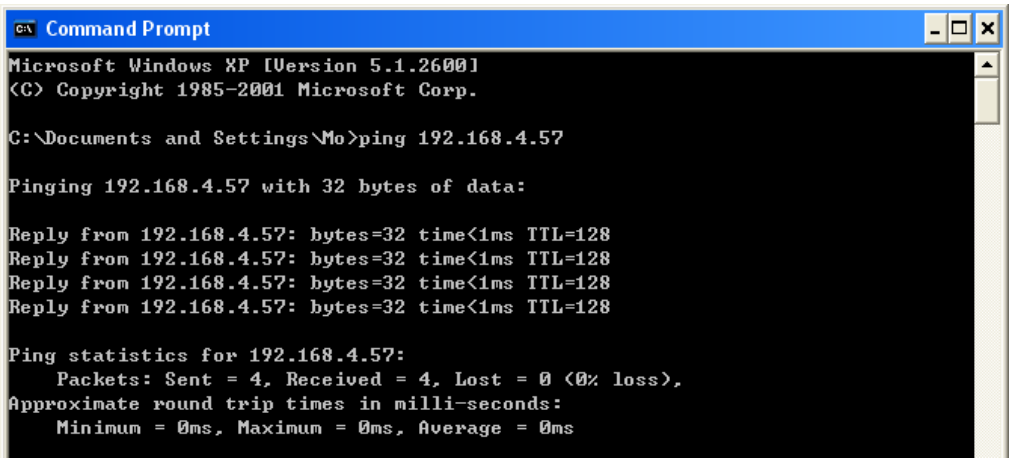
Click *"Save"* in the navigation bar on life hand side. Click the button "**Save Settings**"

Click *"Restart"* → "**Restart Encoder**"

3.5 Initial configuration of DSS-ENC 1200

The default IP address of ENC 1200 from factory is random and you can see the IP address on the LCD of font panel (assume IP is 192.168.4.57 sub mask 255.255.255.0 and gateway 192.168.4.1. Set your PC's IP address to 192.168.4.110, sub mask 255.255.255.0). You can go to the webpage of the encoder to set the IP address you need. For explanation convenient, assume the IP you want to set as 192.168.1.103, sub mask 255.255.255.0 and gateway 192.168.1.1.

Check connection. Go to your PC ***Start ->Run->cmd***, input ***Ping 192.168.4.57***. If you get the replays, means the connection is ok. If not, please check the cable connection and PC's IP.


Command Prompt
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.
C:\Documents and Settings\Mo>ping 192.168.4.57
Pinging 192.168.4.57 with 32 bytes of data:
Reply from 192.168.4.57: bytes=32 time<1ms TTL=128
Reply from 192.168.4.57: bytes=32 time<1ms TTL=128
Reply from 192.168.4.57: bytes=32 time<1ms TTL=128
Reply from 192.168.4.57: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.4.57:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms

Run IE, type in 192.168.4.57 and press "Enter", then you can see the log in interface;

Input User: admin and Password: admin, click "**Login**".

Click “**Configure**” → “**IP Address Modification**”, type in IP: 192.168.1.103, sub mask:255.255.255.0, gateway 192.168.1.1, then click “Modify”

Restart Encoder

4 Configuration guide of the server

4.1 System login interface:

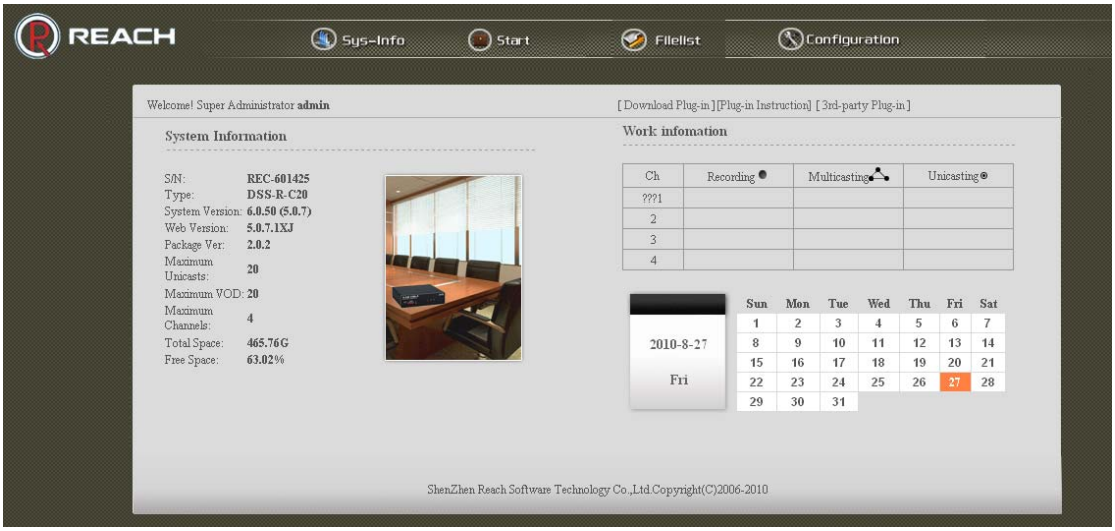
Open the browser, type in the IP address of the record & streaming server in the address field, and press the Enter to show the following interface, which indicates the start of the Multimedia Record & Streaming Server.

Enter username and password to their box and click **Login** button to enter system manage interface.

Note: 1. Default User name and Password for administrator are both “admin”.

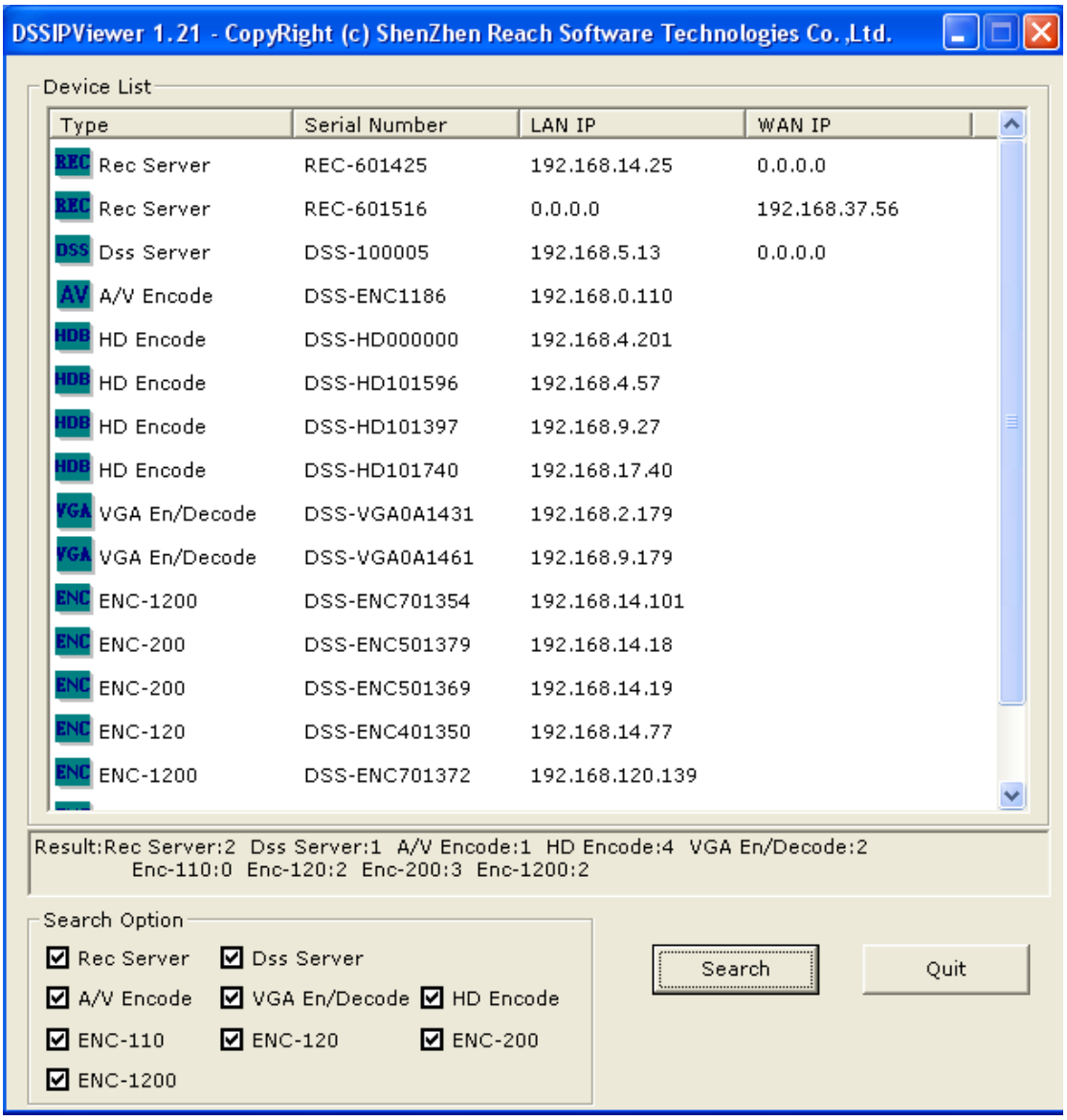
2. Only one administrator and operator can login into the system at the same time. The same guest username and normal username can be used by multi users simultaneously.

After logged on, the following page will appear



4.2 Search and change IP address of the server.

You can use the tool of DSSIPViewer that we provide to search for and change IP address of the server. The tool can be found at the DISK that shipped with the devices. Just navigate to the directory that the tool program is stored and double click the icon to run the program. Click **Search** button to search for the IP address of the server.



About the searching result:

Devices list: All the detected servers are listed here.

LAN Interface: The network configured information of the LAN port, includes IP address, mask and the gateway. Note: if the cable is disconnected the IP address box will display as 0.0.0.0.

WAN Interface: The network configured information of the WAN port, includes IP address, mask

and the gateway. Note: if the cable is disconnected the IP address box will display as 0.0.0.0.

Search Option

Rec Server: List all detected Rec Servers

A/V Encode: List all detected ENC 100

VGA En/Decoder: List all detected VGA 100

HD Encoder: List all detected ENC1000

ENC-110: List all detected ENC 110

ENC-120: List all detected ENC 120

ENC-200: List all detected ENC 200

ENC-1200: List all detected ENC 1200

Note:

(1) Please make sure the PC running DSSIpViewer.exe is at the same streaming network with the server and encoders (can be in different IP address segment).

(2) If they are at different VLAN or there are lay3 devices like router, lay3 switcher or a special firewall between them, the servers and encoders can not be detected by DSSIpViewer.

(3) If the IP address display at the LCD is not the same as the new one, please reboot the server

You can also get IP address through LCD control panel by the following steps. Select ***Query***---***Query IP Address*** at the LCD display of the front control panel. You can see the IP address and mask of the server. Enter the IP address to the address field of your browser and press “Enter”. (Be sure the IP communication of your PC and the server is OK). You will see the login interface. Both the username and password are needed to enter the configuration interface. After you pass the authentication, navigate to ***System Maintenance*** page and change the IP address, mask and gateway, then click **Save** button. The system will reset automatically.

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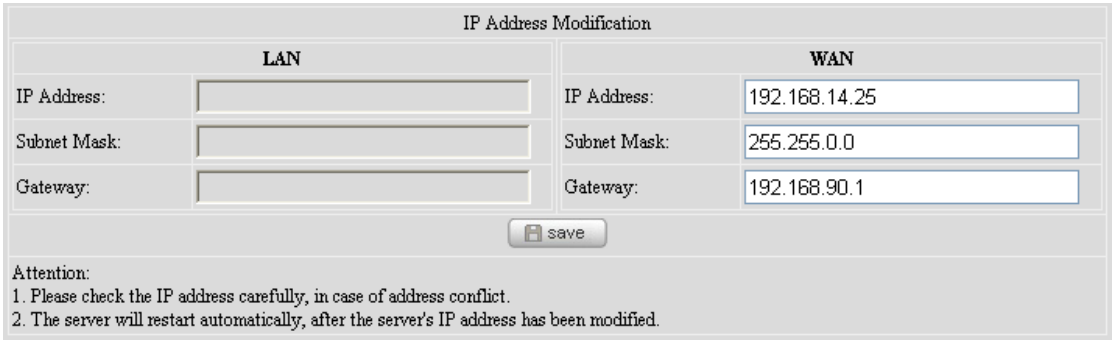


Note:

(1) As you change the IP address, make sure there's no recording task, otherwise the recording will be stopped.

(2) Be sure the IP address of server do not conflict with the other devices

(3) If use LAN and WAN port together, please be sure IP address of both are correct.

(3) Be sure the configuration of the gateway is right

4.3 Logout/Re-Login

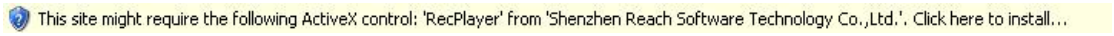
Logout: After log on the server, click [Logout] to logout the management page.

Re-Login: Click [Re-Login] to login as another user.

4.4 Plug-in Management

4.4.1 Plug-in download

Receive live streaming and play on demand with PC, you need to install ActviverX from first. Go to live streaming and VOD page, you will see a pop-out from the IE browser.


This site might require the following ActiveX control: 'RecPlayer' from 'Shenzhen Reach Software Technology Co.,Ltd.'. Click here to install...

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Click Install to install the plug-in:

Internet Explorer - Security Warning
Do you want to install this software?
Name: RecPlayer
Publisher: Shenzhen Reach Software Technology Co.,Ltd.
More options
Install
Don't Install
While files from the Internet can be useful, this file type can potentially harm your computer. Only install software from publishers you trust. What's the risk?

Or click [Download Plug-in] to download and install.

File Download - Security Warning
Do you want to run or save this file?
Name: decodersetup.exe
Type: Application
From: 192.168.6.101
Run
Save
Cancel
While files from the Internet can be useful, this file type can potentially harm your computer. If you do not trust the source, do not run or save this software. What's the risk?

4.4.2 Plug-in Instruction

Click [Plug-in Instruction], you will see this page:

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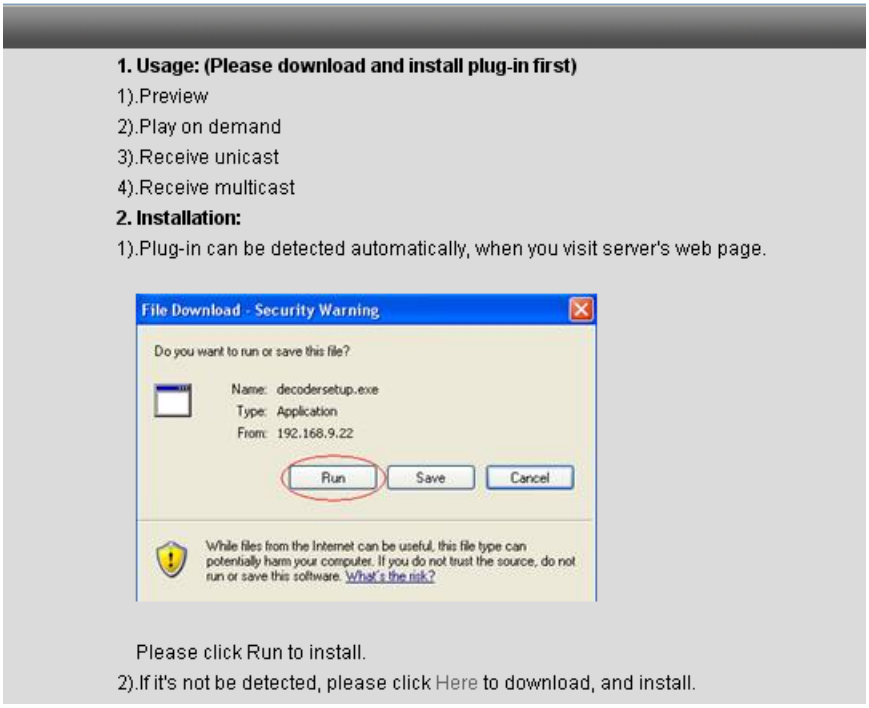
1. Usage: (Please download and install plug-in first)
1).Preview
2).Play on demand
3).Receive unicast
4).Receive multicast
2. Installation:
1).Plug-in can be detected automatically, when you visit server's web page.
File Download - Security Warning
Do you want to run or save this file?
Name: decodersetup.exe
Type: Application
From: 192.168.9.22
Run
Save
Cancel
While files from the Internet can be useful, this file type can potentially harm your computer. If you do not trust the source, do not run or save this software. What's the risk?
Please click Run to install.
2).If it's not be detected, please click Here to download, and install.

4.4.3 3rd-party Plug-in

Click [3rd Party Plug-in], you will see this page:

1. If failed to play video with RecPlayer, please click Here to download decode package.
2. Select [Default] option and click [Next] to install decode package.
3. If you want to use MPC to playback the file, download MPC player Here

4.4.4 System information

After logging in the system successfully, the system information is displayed:

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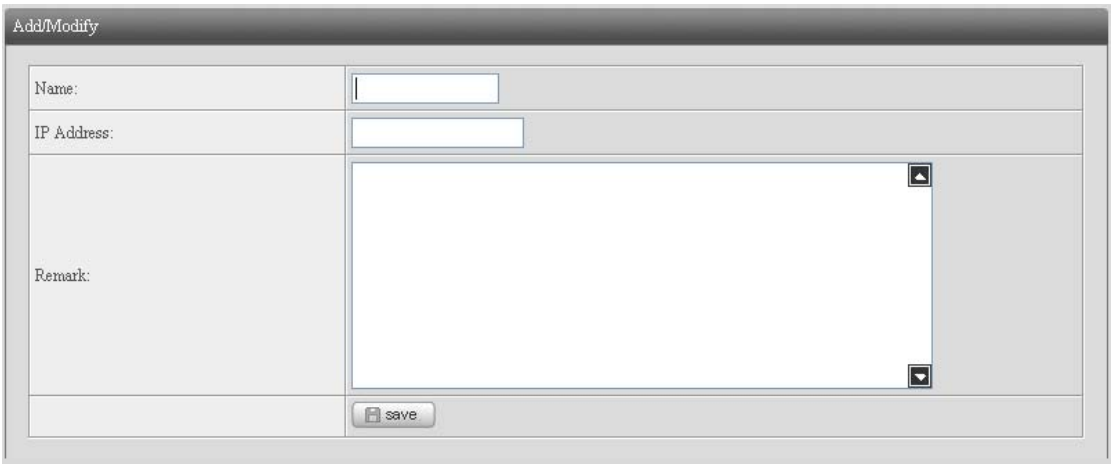
The system information includes product series number, type, system version, web version, package version, maximum unicast, maximum vod, and maximum meeting rooms, hard disk space, and free hard disk space. Work information.

4.5 Start

4.5.1 Encoder Management

Click [Start] -> [Encoder-Management] -> Add Encoder



Name: Name the encoder;

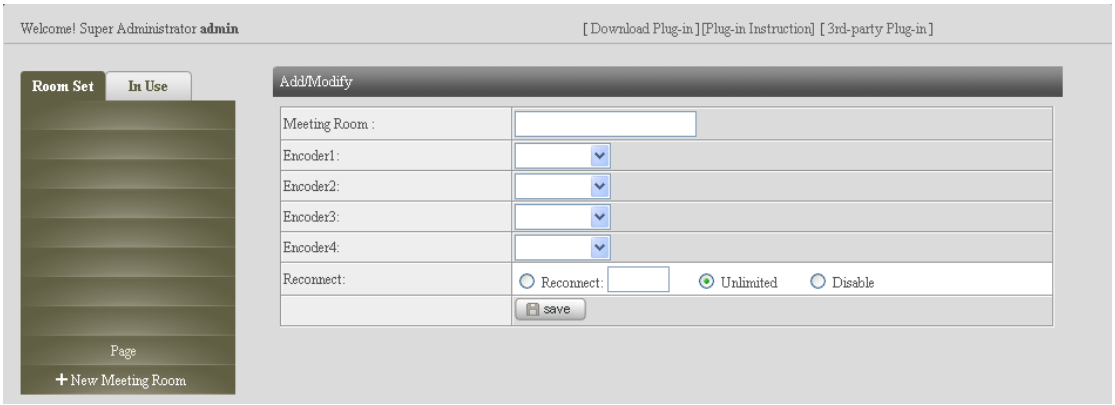
IP Address: Input the ip address of encoder

Remark: Description of this encoder

Save: Save the settings to add encoder

4.5.2 Meeting Room

Click [+New Meeting Room],



[Room Set]: View preset meeting rooms;

[In Use]: View meeting rooms witch are using;

[Meeting Room]: Name of the meeting room;

[Encoder]: Select the encoder you set in **Encoder-Management**

Note: The system only capture audio signal from [Encoder1]. If there is no audio signal input to [Encoder1], the streaming and files recorded are without sound.

[Reconnect]: Set reconnect times of connection between server and encoders (set times/unlimited times/disable)

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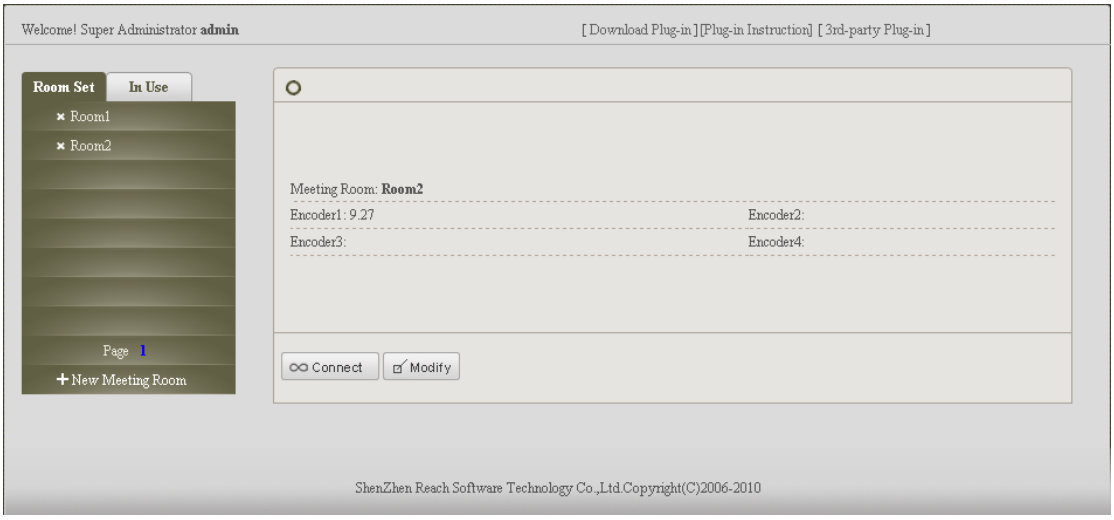
Click [Room Set], view preset meeting rooms:

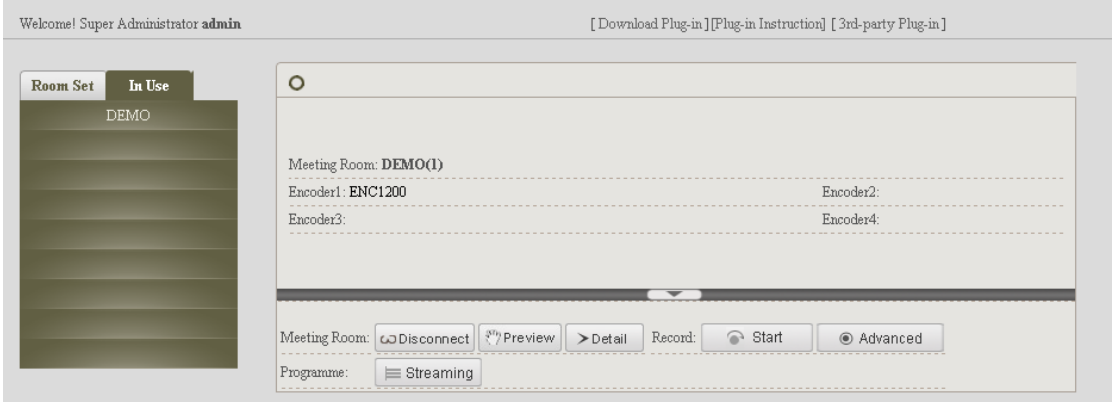


[Connect]: Connect this meeting room

[Modify]: Change the settings of this meeting room

Note: Click "×" in front of meeting room in [Room Set] can delete the meeting room.

Click [In Use] after connect the meeting room. View the meeting rooms already connected.



[Disconnect]: Disconnect this meeting room;

[Preview]: Pop-out RecPlayer and preview the signals (need install RecPlayer first)

[Detail]: View and modify settings of encoders:

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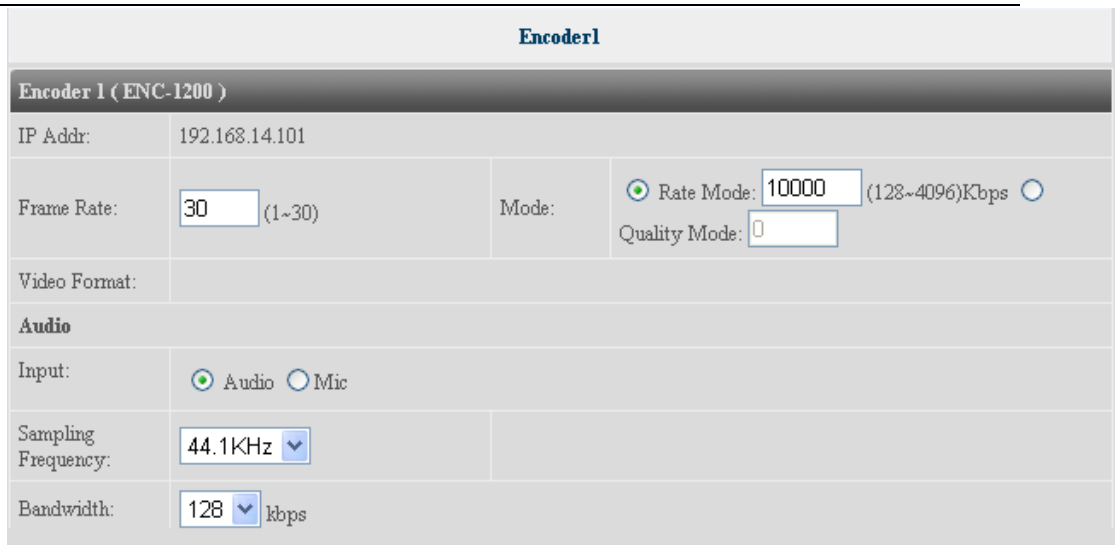
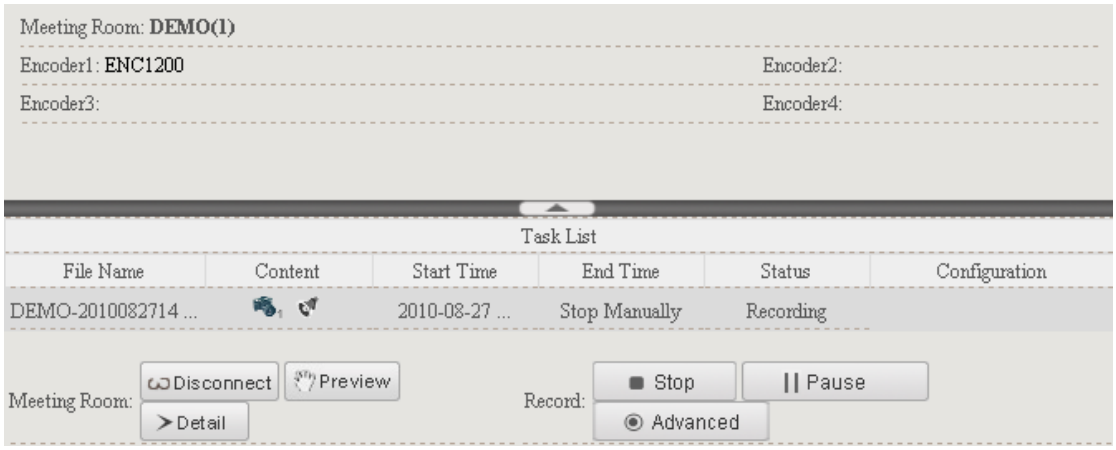


Settings includes encoder type, IP address, bit rate and audio parameters.

[Record]: Start recording task as default settings and view recording task information. (The file will be named follow the meeting room name and current time, need to stop recording manually.)



Note: Recording task can be paused/continue, stop, after started.

[Advanced]: Set recording task parameter manually:

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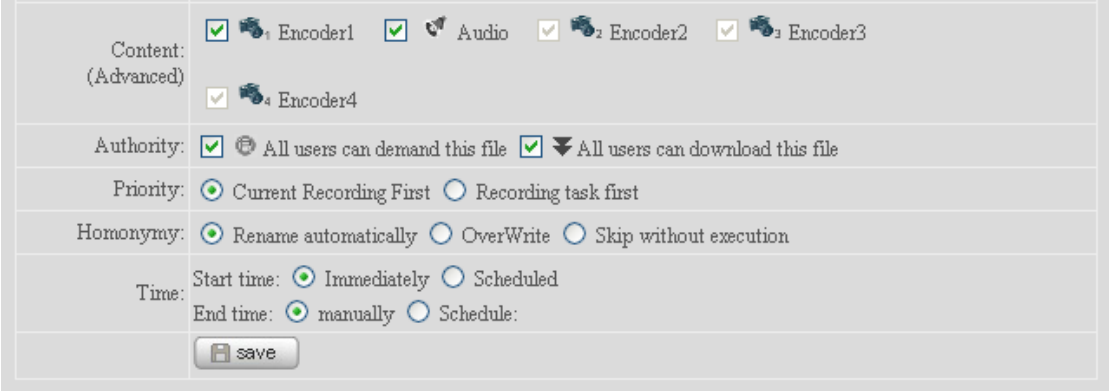
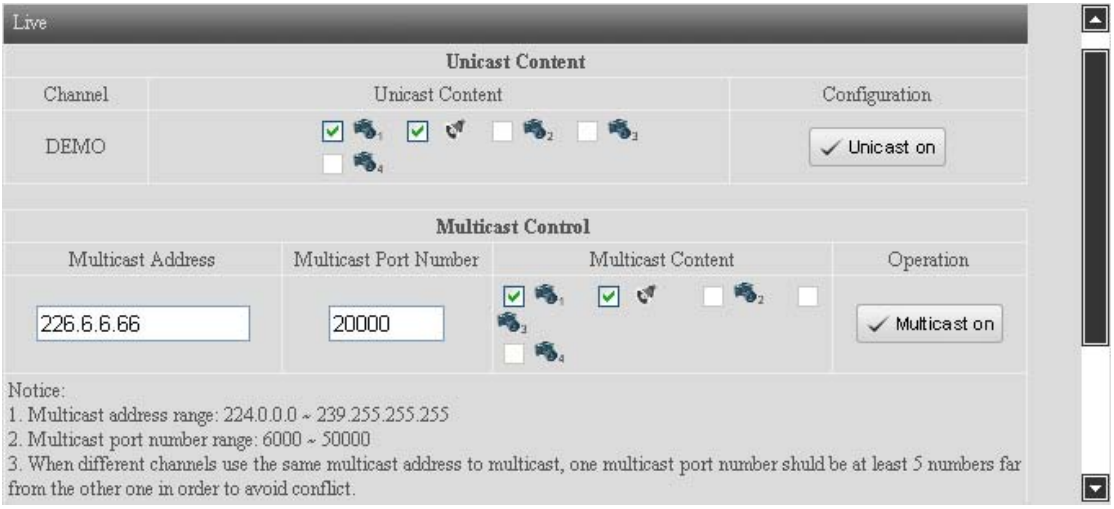


Settings include file name, store, file type, file description, recording content, authority, priority, homonymy, recording task start and finish time.

Note: Advanced recording task can be paused/continue, stop, in recording task list, after started.

[Streaming]: Control live streaming function with unicast and multicast for this meeting room:



Unicast Control: Choose the content for live streaming; Turn on or turn off the unicast (Clients receive live streaming with PC and HD Decoder need to turn on this function; PC need install RecPlayer first.);

Multicast Control: Set multicast IP address, port and content for streaming; Turn on or turn off multicast. (PC need install RecPlayer first.)

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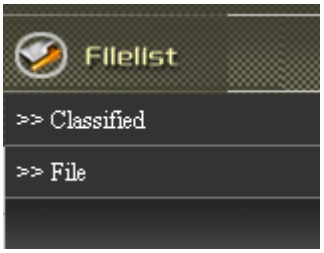
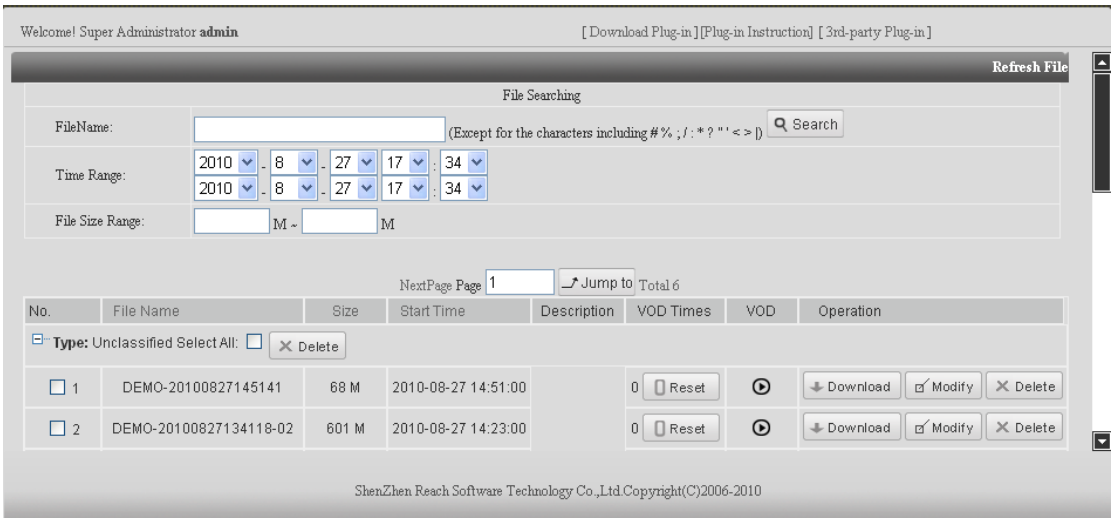
4.5.3 Filelist



4.5.4 File


Welcome! Super Administrator admin
[Download Plug-in] [Plug-in Instruction] [3rd-party Plug-in]
Refresh File
File Searching
FileName:
(Except for the characters including # % ; / : * ? " ' < > |)
Search
Time Range:
2010 - 8 - 27 17 : 34
2010 - 8 - 27 17 : 34
File Size Range:
M ~ M
NextPage Page 1 Jump to Total 6
No. File Name Size Start Time Description VOD Times VOD Operation
Type: Unclassified Select All:
Delete
1 DEMO-20100827145141 68 M 2010-08-27 14:51:00 0 Reset Download Modify Delete
2 DEMO-20100827134118-02 601 M 2010-08-27 14:23:00 0 Reset Download Modify Delete
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File Searching: Search as file name, record time range, file size range;

Pages: Click “PrePage/NextPage” or type in page number to show files;

Fold/Unfold: Click “-/+” to fold/unfold files belong to this type;

Reset: Zero clearing for VOD times;

VOD: Play on demand recorded files;

Download: Download files to the client’s local PC;

Modify: Modify file name, file type, and remark information;

Delete: Delete selected files.

4.5.5 Classfied

Click [Filelist] -> [Classified] -> Add New Type:

Input Type Name and Remark, click Save to add a new file type:

[Modify]: Modify type name, remark, and add/delete file under this type;

[Delete]: Delete type.

4.6 Configuration

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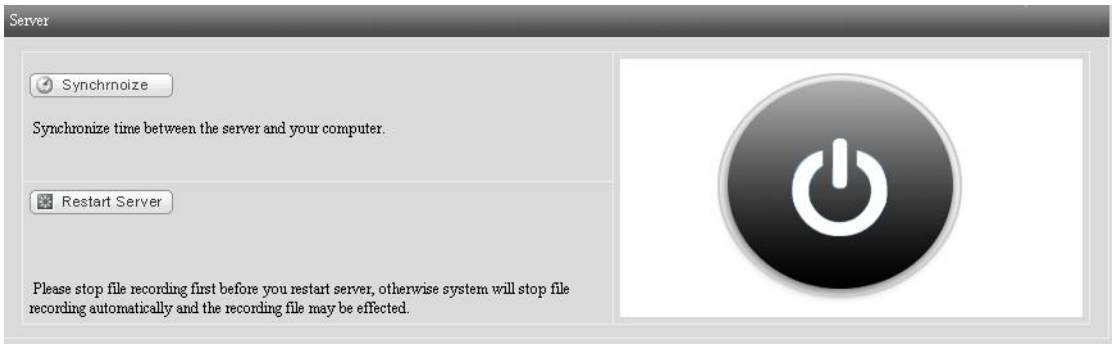
4.6.1 Time Sync/Reboot

Click [Configuration] -> [Time Sync/Reboot]:

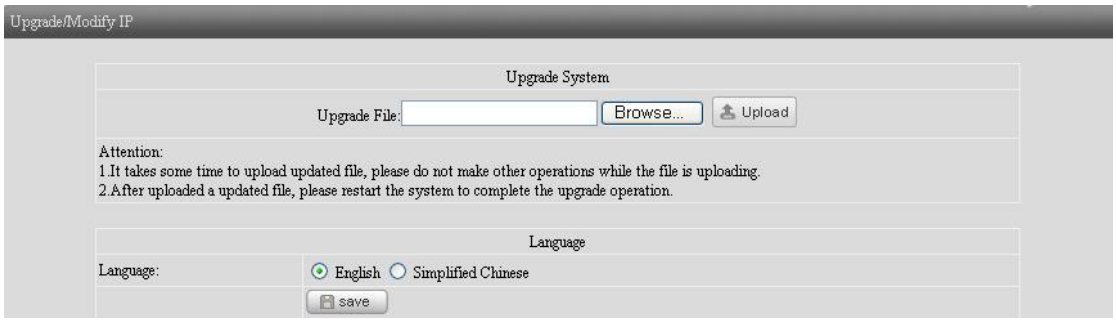

Server
Synchrnoize
Synchronize time between the server and your computer.
Restart Server
Please stop file recording first before you restart server, otherwise system will stop file recording automatically and the recording file may be effected.

[Synchronize]: To synchronize the server time and time on client's PC;

[Restart Server]: To remotely restart server (the system will automatically stop the recording if there is on-going recording task).

4.6.2 System Set

Click [Configuration] -> [System Set]:



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[Upgrade System]: Upgrade server software version;

[Language]: Choose system language;

[Record File Max-Length]: Split the recording file according to set size;

[IP Address Modification]: Modify the IP address, subnet mask and gateway of the network port of server.

Note: The server will restart automatically after IP address, subnet mask and gateway are modified.

4.6.3 Notice

Click [Configuration] -> [Notice]:

Enter the title and content of the notice in the above dialog box and then click [Save] button. The non-administrator user will find the latest announcement title after re-log on the system or refresh the page and lick the title can view the detailed notice.

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4.6.4 User Groups

Click [Configuration] -> [Add new group]:

Add/Modify group
Group Name:
user1
Type:
common user
Live Streaming Authority
Allow to receive multicast
Allow to receive unicasting
Remark:
save
Type description:
1. Common user group---limited user, this type of user can playback the media or receive live media
2. GUEST group---can only receive media
3. Operator group---have the part right of the superuser, such as switch on/off streaming
4. Administrator---have the highest authority,both the user name and password can be changed

[Group Name]: Name of the new user group;

[Type]: Type of new group. Common users, Guest users, Operators and Administrators are available groups for selection;

[Live Streaming Authority]: Set the authority of receiving unicast and broadcast for common group and guest group;

[Remark]: Set remarks for new group.

Information for added group can be find under the [User Groups] once finished adding. The following figure will appear:

Click Group Name / Type, user group list can be ordered according to Group Name / Type.

[Modify]: To modify information for added group.

Click [Modify] button:

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Add/Modify group
Group Name:
user1
Type:
common user
Live Streaming Authority
Allow to receive multicast
Allow to receive unicasting
Remark:
save
Type description:
1. Common user group---limited user, this type of user can playback the media or receive live media
2. GUEST group---can only receive media
3. Operator group---have the part right of the superuser, such as switch on/off streaming
4. Administrator---have the highest authority,both the user name and password can be changed

Modify the user group's name, type and remarks, and can add users to this group as well. For common user group and guest group, live streaming authority can be modified as well.

[Delete]：Delete this group;

[Authority]: Set VOD and downloaded files for this group. Click [Authority] button, the following figure will appear:

Only common user group has this function

4.6.5 Users

Click [Configuration] -> [Users] -> Add new user:

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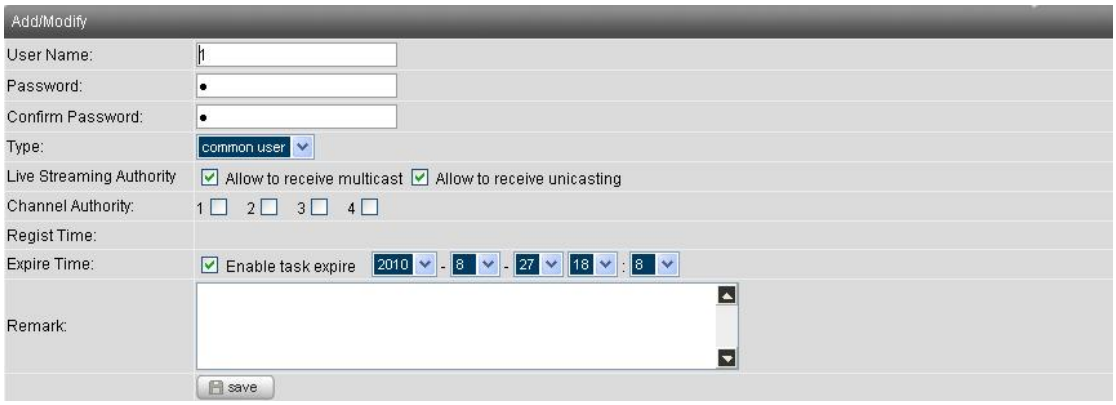

[User name]: Name for new user.

[Password]: Password for new user.

[Confirm Password]: Password confirmation for new user (it must be the same as the password to ensure successful registration).

[Type]: Type of new user. Common user, Guest user, Operator and Administrator are available for selection.

[Live Streaming Authority]: If the new added user is a common user or guest user, the live streaming authority of unicast and multicast can be selected; the administrator and operator have all authorities by default, which can not be changed.

[Channel Authority]: The conference room authority to receive unicast and multicast for the new user. (Note: If the user has authority of unicast or multicast already, but doesn't have corresponding conference room authority, he can't receive unicast or broadcast of this conference room.)

[Expire Time]: Set the life circle for the user. The user can not log on the system once it reaches the set time;

Information for added users can be found under the User management once finished adding. The following figure will appear:

Click user name / group / type, the users list can be ordered according to user name / group / type.

[Modify]: Modify information for added group;

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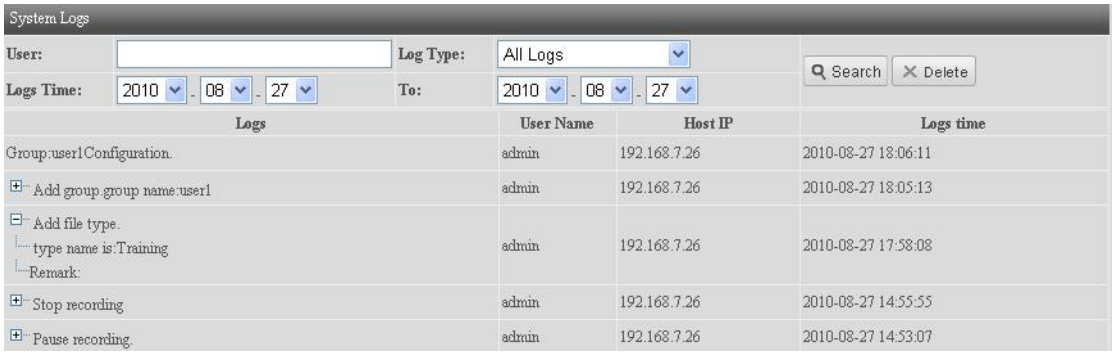
[Delete]: Delete corresponding user;

[Authority]: Set VOD and downloaded files for the user (this function is available for Common user only).

4.6.6 Log

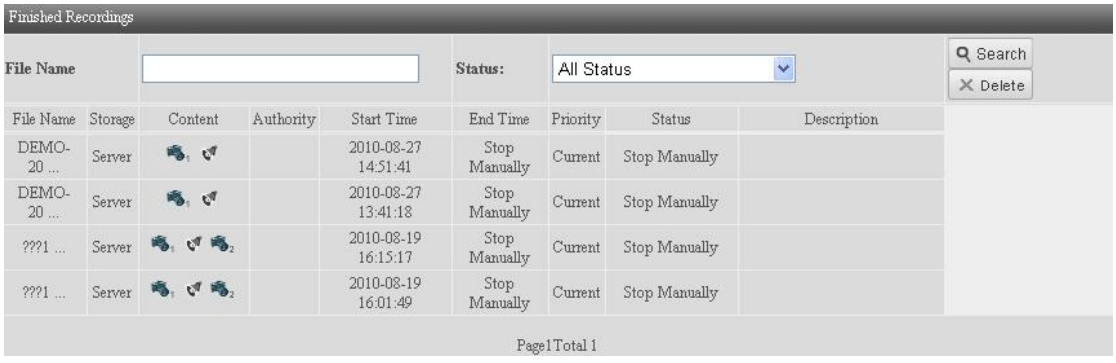
Click [Configuration] -> [Log]:



It shows the current logs of the system, and can inquiry and delete according to user name, logs type and logs time range.

4.6.7 Finished Recording

Click [Configuration] -> [Finished Recording],



Logs information for recording task can be reviewed and inquired according to File Name and Recording Status.

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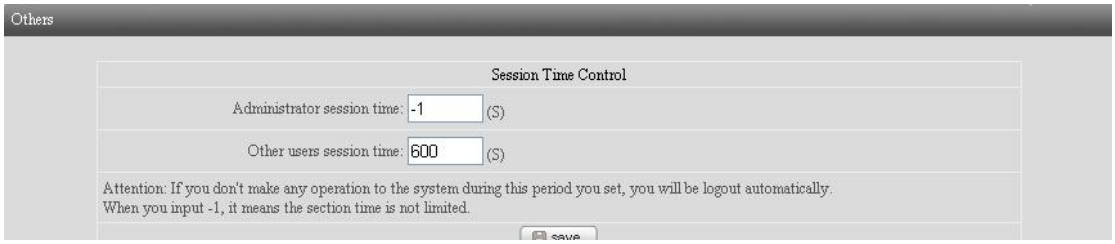
4.6.8 Other

Click [configuration] -> [Other]:


Others
Session Time Control
Administrator session time: -1 (S)
Other users session time: 600 (S)
Attention: If you don't make any operation to the system during this period you set, you will be logout automatically.
When you input -1, it means the section time is not limited.

[Session Time Control]: Set session time for administrator page and other user page (users must re-log on the system if there is no operation during session time); there is no limitation for session time if the input number is equal to -1;

[Register Management]: Set to allow users to register or modify password by themselves and the following figure will appear after they registered by themselves:

Users can register by themselves by clicking [Register] and then log on the system with registered account and password.

[Download/Restore (Database)]: Export current system data and save them on local hardware or import backup data to recover system data.

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4.7 LCD Operation Guide

4.7.1 Alternant message display mode

After power on, the device will display “Starting…” before get the device type, then display “DSS-R-XX” and so on after get. The device will enter into alternant display operation mode 20 seconds later.

The system will alternately display the following messages unless the buttons are artificially operated.

- ✧ Device type, e.g. “DSS-R-XX, 2006-9-7 11:34:24” etc.
- ✧ Recording status, e.g. “recording…00: 45: 34”, “Not Recording…”etc.
- ✧ Unicasting status, e.g. “Unicasting Audio\Video\Data…01: 23: 22”, “Not Unicasting” etc.
- ✧ Broadcasting status, e.g. “Broadcasting Audio\Video\Data…”01: 22: 11”, “Not Unicasting” etc.
- ✧ Device working status, e.g. “Hard Disk 75% free, CPU Usage 80%...” etc.

The message display will stop and enter into menu operation mode if there is any button operation. The system will automatically display the device status alternately if there is no operation for 10 seconds.

The user can choose “up”, “down”, “confirm” and “cancel” to operate the device. The system will display the function menu options as shown below, please refer to the following section for detailed instructions.

4.7.2 Query

1. Query IP: The device to query the IP address of the server LAN and WAN. It will display 0.0.0.0 when it is not connected to the network cable.

2.Query Coder: Query the IP address of the audio encoder and data encoder currently connected to the server.

3. Query Ver: Query the relevant version information of the server.

4.7.3 Set

1. Record…: Start the record operation of the server and the record files will be named with the current time of the server; if the server has been implementing record operation, it will display “Stop Record”;
2. Unicast…: Start unicast operation of the server; if the server has started unicast, it will display “Stop Unicast”;
3. Broadcast: Start broadcast operation of the server; if the server has started broadcast, then it will

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display “Stop B-cast”;

4. Restart: Soft reset the server.

5. Rest PWD: Server administrator password recovery; if the password is forgotten, the administrator can use this option to reset the password. The reset password will be randomly generated by the server and need to contact the factory to query! Please do not use this button unless necessary!

4.8 Nonadministrator User Guide

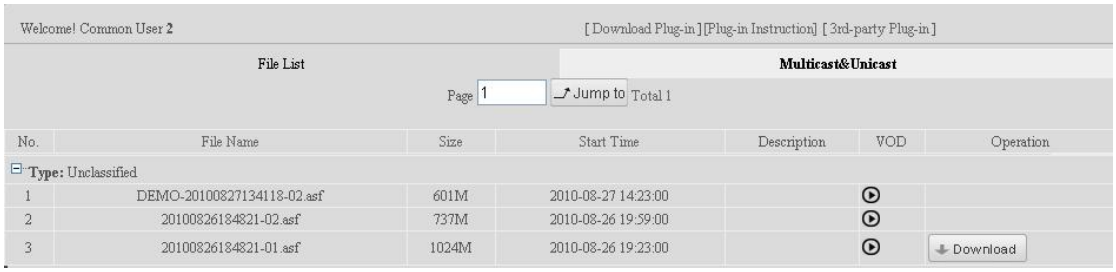
4.8.1 Operator operation interface

As the support staff of the system administrator, the operator has most functional authorities of the administrator, e.g. system information viewing, connecting conference rooms, record management, live management, file management, system query, and common user authorization, but can not system maintenance operations, such as server upgrade, changing server IP address, adding new users, changing user information, and changing user permissions, etc., but can authorize common users for file play on demand or download; can view all conference rooms or classrooms in connection or add and configure new conference room or classroom information, but can not change the conference room or classroom information parameters configured by the administrator or other operators.

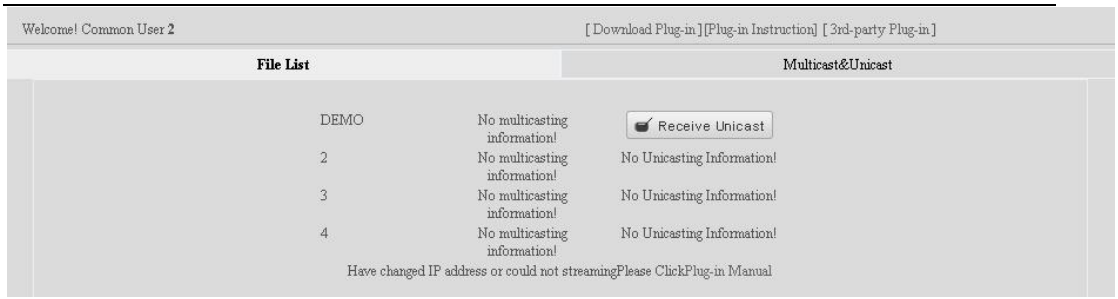
4.8.2 Common user operation interface

For common user, only the “plug-in unit download”, “authorized live streaming”, “authorized file play on demand” or “download operations” are available after logs on the system.

a. Multicast/Uunicast (Note: The function must be authorized by the administrator; the Multicast and Unicast function will be available only after downloading and installing the plug-in program! Please click the “plug-in instruction” button and refer to the plug-in use instruction document on the IE page for detailed use instruction.)

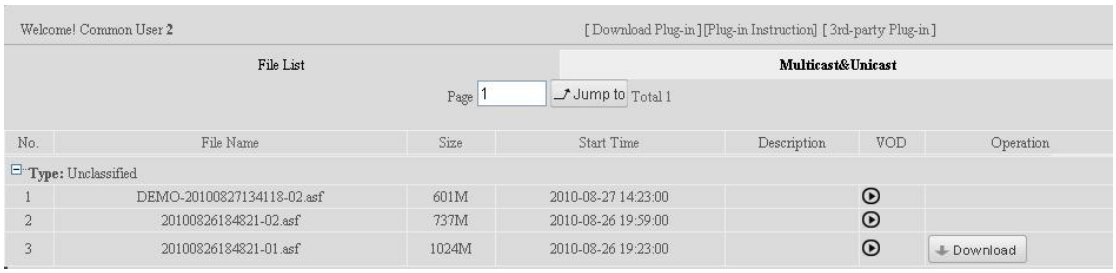

Welcome! Common User 2
[Download Plug-in][Plug-in Instruction] [3rd-party Plug-in]
File List
Multicast&Unicast
Page 1 Jump to Total 1
No. File Name Size Start Time Description VOD Operation
Type: Unclassified
1 DEMO-20100827134118-02.asf 601M 2010-08-27 14:23:00
2 20100826184821-02.asf 737M 2010-08-26 19:59:00
3 20100826184821-01.asf 1024M 2010-08-26 19:23:00
Download

Click “Multicast/Unicast” can view authorized multicast and unicast list as below:



Click [Receive Multicast] / [Receive Unicast] button, and then the system will automatically call the plug-in to receive live streamings.

b. File List: Only the files authorized by the administrators or operators will be displayed here:



Click to play on demand, Click [Download] to save the file on client's pc.

Note: To use the ReachPlayer program to play the file on demand, the record & play plug-in program must be downloaded and installed. For detailed instruction, please refer to the plug-in instruction on the IE page. Click the "plug-in instruction" button on the page.

4.8.3 Guest operation interface

After the guest user logs on the system, only the "download plug-in", "authorized live multicast/unicast" operations are available, file play on demand and download are not available, as shown in the following figure: (Note: Receive live streaming function is available only when the plug-in program is downloaded and installed. For detailed instruction, please refer to the plug-in use instruction on the IE page. Click the "Plug-in Instruction" button on the page.)

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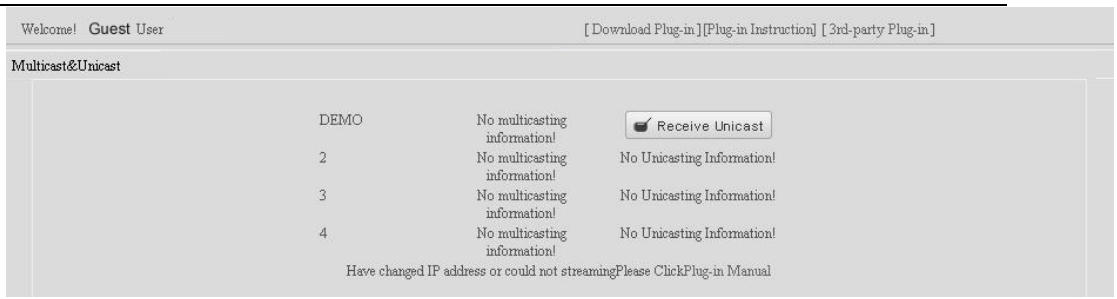


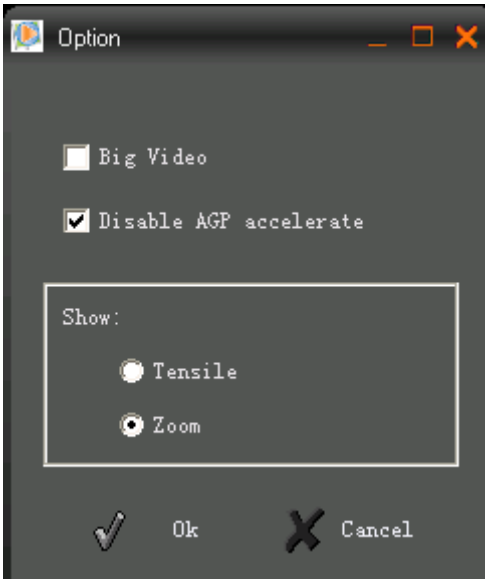
4.8.4 Plug-in (RecPlayer) brief instruction

When the system plug-in is receiving live streaming, file play on demand or playing local files, the users can drag the mouse in the window to adjust the window display according to their own preferences at any time.

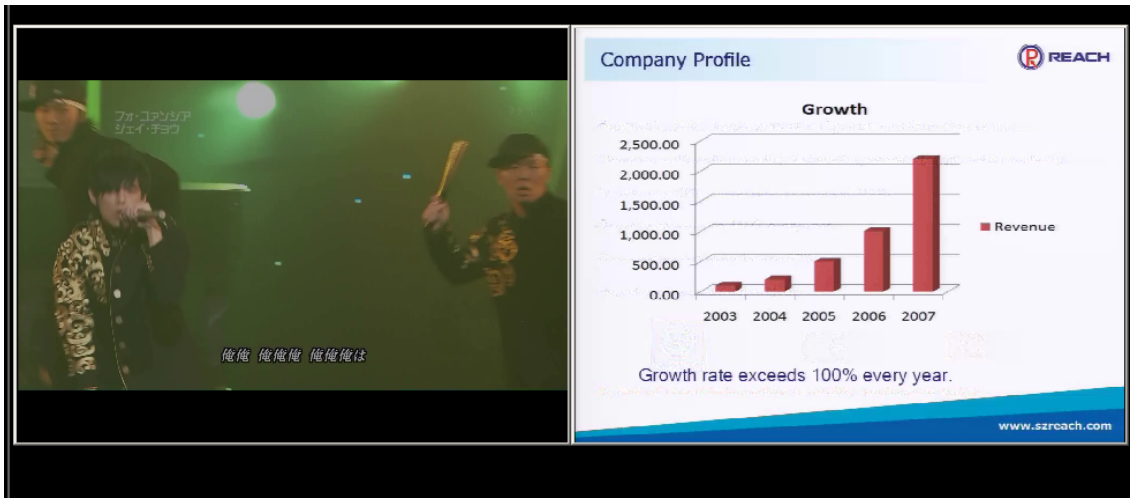
a.Standard window

b. Tool

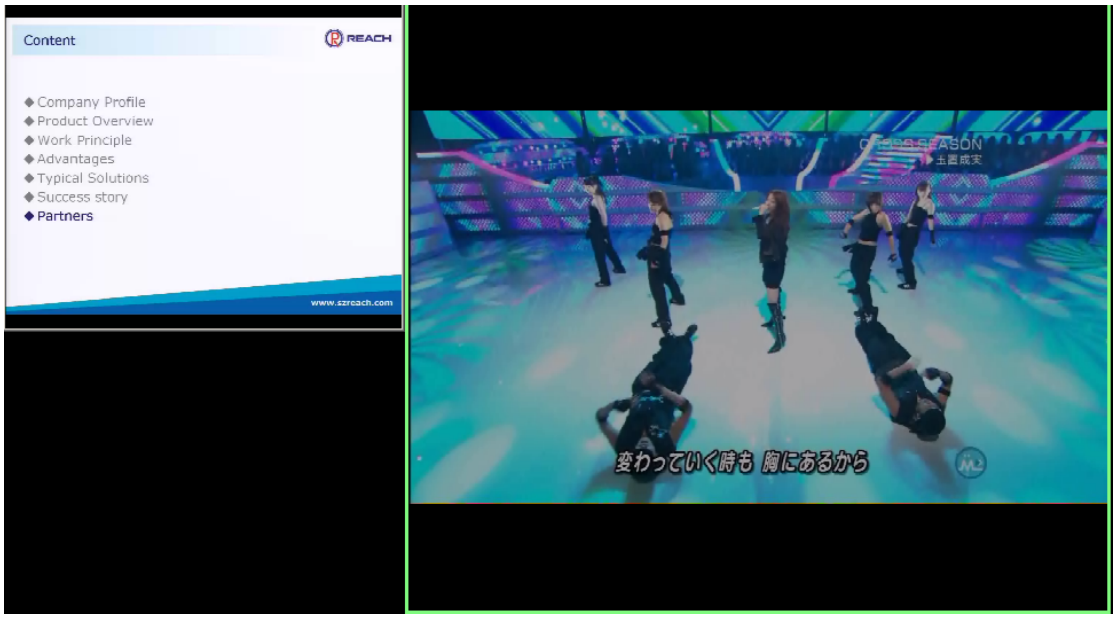
The display layout set in the system plug-in program setting options. Select the item “Option” in the menu “Tool” on the player, and set relevant values in the pop-up dialogue box as shown in the following figure:



Normal:



Big Video:



Disable AGP accelerate: This option can be enabled when two window images are overlapping on some computers that are receiving live streaming;

c. Program language selection

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The Chinese and English version of the system plug-in Player program is available, select the item “Language” in the “Tool” menu in RecPlayer, and select “Simplified Chinese” or “English” in the sub menu.

Thank you for purchasing Reach products. If you find the appearance or function of the actual product differs from that in this manual due to different models or software and hardware upgrade, please do not hesitate to contact us (7*24-hour customer service hotline at 400-716-0868). We apologize for not notifying you promptly for these changes.

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